



Gmax Race List Feed Specification

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- The Gmax Race system tracks race horses during real-time. Its minimal infrastructure makes it easy and economical to use, and allows the system to be shared between racecourses where travel times permit.
- Various data feeds are available. This document describes the protocol for a 'Race List' feed, which provides access to additional race information on races where the system is used. It is intended to assist the interpretation of tracking data and aligning it with other race records.
- The system is under active development. Feedback on possible future improvements is welcome.

- The data for a particular race, or for all races on a given date, can be requested using HTTP(S), providing a Gmax 'Sharecode' or 'DateLocal' parameter as appropriate.
- License key is also required and will be provided separately.
- The response is formatted as a ECMA-404 JSON object with the following fields:

Name	Type	Example	Notes
I	String	71201903071455	The unique identifier for the race, as used in other Gmax data feeds
Country	String	US	ISO 3166-1 Alpha-2 Country code
Racecourse	String	Golden Gate Fields	A friendly name for the racecourse
RaceNo	Number	1	Incrementing number for the race for that day/racecourse combination
PostTime	String	2019-03-07T12:45:00-08:00	String containing the scheduled start time for the race, in ISO 8601 compliant format with local time offset
RaceType	String	GGF 5f All-Weather	A friendly name for the type of race
RaceLength	Number	1005.8	The advertised official length of the race in meters
Published	Boolean	true	Whether or not post-race data is available from Gmax
EQBRacecourse WBYSRacecourse USTARacecourse	String	GG_USA 58 WBSB	Racecourse identifier as used by the relevant racing authority dependant on jurisdiction: e.g. Equibase, Weatherbys, USTA
USTACardID	Number	1	For USTA harness races, the ID identifying the type of racecard to which the race belongs

- Example request (race details for the specified race identifier):

`http://www.gmaxequine.com/TPD/client/racelist.ashx?Sharecode=30201812121240&k=[license key]`

- Example response:

```
[{"I":"71201903071245","Country":"US","Racecourse":"Golden Gate Fields","RaceNo":1,"PostTime":"2019-03-07T12:45:00-08:00","RaceType":"GGF 5f All-Weather","RaceLength":1005.8,"Published":true,"EQBRacecourse":"GG_USA"}]
```

- Example request (all races available to user on specified date):

`http://www.gmaxequine.com/TPD/client/racelist.ashx?DateLocal=2019-03-07&k=[license key]`

- Example response:

```
[{"I":"47201903071500","Country":"GB","Racecourse":"Southwell","RaceNo":1,"PostTime":"2019-03-07T15:00:00+00:00","RaceType":"Southwell 1m13y FS","RaceLength":1621.2,"Published":true,"WBYSRacecourse":"47"}, {"I":"47201903071535","Country":"GB","Racecourse":"Southwell","RaceNo":2,"PostTime":"2019-03-07T15:35:00+00:00","RaceType":"Southwell 1m4f14y FS","RaceLength":2426.8,"Published":true,"WBYSRacecourse":"47"}, {"I":"47201903071605","Country":"GB","Racecourse":"Southwell","RaceNo":3,"PostTime":"2019-03-07T16:05:00+00:00","RaceType":"Southwell 7f14y FS","RaceLength":1421.0,"Published":true,"WBYSRacecourse":"47"}, {"I":"47201903071640","Country":"GB","Racecourse":"Southwell","RaceNo":4,"PostTime":"2019-03-07T16:40:00+00:00","RaceType":"Southwell 1m13y FS","RaceLength":1621.2,"Published":true,"WBYSRacecourse":"47"}, {"I":"47201903071710","Country":"GB","Racecourse":"Southwell","RaceNo":5,"PostTime":"2019-03-07T17:10:00+00:00","RaceType":"Southwell 6f16y FS","RaceLength":1221.6,"Published":true,"WBYSRacecourse":"47"}, {"I":"47201903071740","Country":"GB","Racecourse":"Southwell","RaceNo":6,"PostTime":"2019-03-07T17:40:00+00:00","RaceType":"Southwell 4f214y FS","RaceLength":1000.4,"Published":true,"WBYSRacecourse":"47"}, {"I":"71201903071245","Country":"US","Racecourse":"Golden Gate Fields","RaceNo":1,"PostTime":"2019-03-07T12:45:00-08:00","RaceType":"GGF 5f All-Weather","RaceLength":1005.8,"Published":true,"EQBRacecourse":"GG_USA"}, {"I":"71201903071317","Country":"US","Racecourse":"Golden Gate Fields","RaceNo":2,"PostTime":"2019-03-07T13:17:00-08:00","RaceType":"GGF 1M All-Weather","RaceLength":1609.3,"Published":true,"EQBRacecourse":"GG_USA"}, {"I":"71201903071352","Country":"US","Racecourse":"Golden Gate Fields","RaceNo":3,"PostTime":"2019-03-07T13:52:00-08:00","RaceType":"GGF 1 1/16M All-Weather","RaceLength":1709.9,"Published":true,"EQBRacecourse":"GG_USA"},
```

...etc ...

]

- Usage
 - For best efficiency and scalability, we request that the data from this feed is cached by subscribers who are expecting a large number of requests from end users (e.g. consumers using your website or mobile apps).
 - We reserve the right to impose 'fair usage' limits on repetitive requests for the same data.
 - A typical usage scenario for users of live data would be to listen for live data (specifications available separately) and upon receipt of data for a new race, supply the race identifier to this feed to request additional race information
 - A typical usage scenario for users of post-race data would be to periodically poll this data feed with the specified date to discover which races will have available data.
- Sharecode – race identifier
 - The race identifier matches that used in other Gmax Race data feeds. Note that it should be treated throughout as a string, even if the contents is typically numeric.

- Subscribers to this feed will be kept informed of updates, and as far as possible this will be introduced by extending the data feed described herein to ensure backward compatibility. End users should design their applications to be tolerant to additional JSON messages/objects appearing in the data in future.
- Consultation is currently underway on improvements to the horse/racecourse identifier to provide better support for operations globally. This will result in an increased size of racecourse identifier, and possibly the splitting of the current identifier into separate parameters.

If this feed does not meet your requirements, please contact Gmax. Other feeds are also available, including:

- Live tracking data feed, provides the live co-ordinates of each horse in a low-latency data feed
- Live 'Progress' data feed, which summarises the progress of the race as a whole including live running order of the horses, provided as a live low-latency data feed
- By prior arrangement only: a test data feed streaming replays of pre-recorded examples of one or more of the above data feeds, intended for use in final testing by client applications.
- Post-race sectional time data feed, summarising the performance of each horse by section (e.g. at furlong intervals)
- Historical 'Points' data feed, providing the co-ordinates of each horse throughout the race for previously tracked races.
- Historical Sectional times data feed, providing the distribution of sectional times for particular race types based on historical data.
- Racecourse 'Routes': files containing a description of the official running line at racecourses, derived from on-site surveys.
- Please let us know your requirements and we can recommend the most suitable data for your needs.



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